



## City of Santa Clara

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Automated Inspection Scheduling System: 408-615-2400

# 2016 CALIFORNIA RESIDENTIAL CODE (CRC) RESIDENTIAL RE-ROOF INFORMATION

## When is a permit required?

- A re-roofing permit is required when replacing sheathing or when new sheathing is to be installed on the roof (such as solid sheathing over skip sheathing). A permit is required when dry rot repairs reach 32 sq. ft. or more of replaced decking, or any alteration or repairs occurs to the rafters, rafter tails or any structural members except a fascia board.
- A permit is not required when no new sheathing (plywood) is being installed.
- No more than two (2) layers of roofing are allowed.

## What inspections are required?

- Two inspections are required: Nailing (code 116) and Final Inspection (code 599). To schedule an inspection, call 408-615-2400. Plan ahead; inspection slots may fill up several days in advance.

## Inspection procedures:

- The customer must provide an OSHA-approved ladder that is sufficiently secured to the structure and extends 3 ft. above the roof edge. Post the permit card in a conspicuous place for the inspector.

## Nailing Inspection:

1. Plan for the nailing inspection to take place on the day the plywood or OSB sheathing is to be installed. 100% of the plywood or OSB must be installed for this inspection. Do not install paper or shingles prior to this inspection.
2. Leave at least 1/8 inch space at all panel edge joints.
3. Leave at least 1-inch space around all B vents. Use metal straps to secure the vent and prevent movement. Use flashing appropriately sized for the vent.
4. Attach the plywood to the rafters or ceiling joists using 8d common nails at 6 inches on center (new for 2016 CRC - staples no longer allowed)
5. Horizontal edges of plywood over skip sheathing and which fail to fall on solid backing (sheathing) must be installed using one of the following three methods:
  - a. H- clips (within 6 inches of each corner and no more than 2 ft. apart) or,
  - b. Support by solid backing such as wood strips placed underneath the plywood or OSB and between the existing skip sheathing or;
  - c. Supported by spacing blocks the same thickness as the skip sheathing and placed under the plywood or OSB at each rafter.
6. Plywood or OSB shall have a minimum dimension of one foot vertical edge by two feet.
7. Provide for adequate roof ventilation as required by code. One sq. ft. of opening for each 150 sq. ft. of area being vented. Minimum 50% of vent openings must be located at least 3 ft. above eave.
8. Crickets are required on the ridge side of any penetration wider than 30 inches, with the exception of unit skylights installed in accordance with the manufacturer's instructions. CRC R903.2.2

## Final Inspection:

9. At final inspection: flashings sealed, collars in place, all debris removed, and all exposed new and replacement wood must be painted.
10. For asphalt shingle roofs, a drip edge is required at eaves and gable edges. The drip edge shall extend ¼ inch below the sheathing and extend back on the roof for a minimum of two inches. The underlayment goes over the drip edge at eaves and under the rake flashing. CRC R905.2.8.5.
11. A spark arrestor is required on all chimneys. R1003.9.2
12. Asphalt shingles must be attached with roofing nails (not staples) with a minimum ⅜ in. diameter head and penetrating not less than ¾ in. into roof sheathing. R905.2.5